Amendments to the Claims

The following listing of claims will replace the original listing of claims.

Listing of Claims

1-38 (canceled)

39-68 (new):

39. A computer method for rendering a stroboscopic representation from images in an original video sequence recorded from a moving camera, comprising the steps of:

(a) selecting representations of at least one distinctive moving feature in the original video sequence at selected different instants of time;

(b) forming a synthesized video sequence by superimposing on each image of the original video sequence the selected representations of the feature whose instant of time is anterior to current image time, at their spatial location in the original image taking camera motion into account; and

(c) rendering the synthesized video sequence to show the original video sequence with the selected feature leaving a trailing trace of representations along its path at the selected different instants of time.

40. The method of claim 39, wherein selecting is at a fixed frame interval.

41. The method of claim 39, wherein selecting is at clocked time intervals.

42. The method of claim 39, wherein selecting is at specified background locations.

43. The method of claim 39, wherein selecting is at specified moving feature events.

44. The method of claim 39, wherein selecting comprises accepting input for the feature to be selected.

45. The method of claim 39, wherein superimposing at their spatial location in the original image comprises using camera movement parameters in recording the original video sequence.

46. The method of claim 45, wherein the camera movement parameters have been obtained by camera motion sensors.

47. The method of claim 39, wherein superimposing comprises blending.

48. The method of claim 39, wherein rendering comprises controlling persistency of representation of the feature in the synthesized video sequence.

49. The method of claim 48, wherein controlling is for older representations of the feature as a function of time to appear increasingly transparent.

50. The method of claim 39, wherein the original video sequence is of a sports event.

51. The method of claim 50, wherein the feature comprises a ball.

52. A system for rendering a stroboscopic representation from images in an original video sequence recorded from a moving camera, comprising means for effecting the method of claim 39.

53. A system for rendering a stroboscopic representation from images in an original video sequence recorded from a moving camera, the system being instructed for effecting the method of claim 39.

54. A computer method for rendering a stroboscopic representation from images in an original video sequence recorded from a moving camera, comprising the steps of:

(a) selecting representations of at least one distinctive moving feature in the original video sequence at selected different instants of time;

(b) forming a background video sequence by removing representations of moving objects from the images of the original video sequence;

(c) forming a synthesized video sequence by superimposing on each image of the background video sequence the selected representations of the feature, at their spatial location in the original image taking camera motion into account; and

(d) rendering the synthesized video sequence to show the selected representations as frozen against the background at the selected different instants of time.

55. The method of claim 54, wherein selecting is at a fixed frame interval.

56. The method of claim 54, wherein selecting is at clocked time intervals.

57. The method of claim 54, wherein selecting is at specified background locations.

58. The method of claim 54, wherein selecting is at specified moving feature events.

59. The method of claim 54, wherein selecting comprises accepting input for the feature to be selected.

60. The method of claim 54, wherein superimposing at their spatial location in the original image comprises using camera movement parameters in recording the original video sequence.

61. The method of claim 60, wherein the camera movement parameters have been obtained by camera motion sensors.

62. The method of claim 54, wherein superimposing comprises blending.

63. The method of claim 54, wherein rendering comprises controlling persistency of representation of the feature in the synthesized video sequence.

64. The method of claim 63, wherein controlling is for older representations of the feature as a function of time to appear increasingly transparent.

65. The method of claim 54, wherein the video sequence is of a sports event.

66. The method of claim 65, wherein the feature comprises an ice skater.

67. A system for rendering a stroboscopic representation from images in an original video sequence recorded from a moving camera, comprising means for effecting the method of claim 54.

68. A system for rendering a stroboscopic representation from images in an original video sequence recorded from a moving camera, the system being instructed for effecting the method of claim 54.